

Title (en)  
Ignition coil

Title (de)  
Zündspule

Title (fr)  
Bobine d'allumage

Publication  
**EP 0703588 A1 19960327 (EN)**

Application  
**EP 95115090 A 19950925**

Priority  

- JP 22937894 A 19940926
- JP 22937994 A 19940926
- JP 1190195 A 19950127

Abstract (en)

An ignition coil (1) has a cylindrical case (100) for directly mounting on a spark plug. The case 100 accommodates a transformer unit (5) which includes a primary coil (516) wound around a primary spool(514), a secondary coil (512) wounded around a secondary spool (510) and a plurality of magnetic circuit members (502, 504, 506) therein hermetically. The primary spool and the secondary spool have supporting members (514a, 510a) respectively. When they are assembled, the magnetic circuit members are retained between the spools automatically. The spools have insulating members (514f, 510f) interposed between the magnetic circuit members and a lead of the primary coil at an upper portion of the coil to increase the creepage distance between members connected respectively to the secondary coil and the primary coil. <IMAGE>

IPC 1-7  
**H01F 38/12; H01F 27/02; H01F 27/32; H01F 27/26**

IPC 8 full level  
**H01F 27/02** (2006.01); **H01F 27/26** (2006.01); **H01F 27/32** (2006.01); **H01F 38/12** (2006.01)

CPC (source: EP KR)  
**H01F 5/00** (2013.01 - KR); **H01F 27/02** (2013.01 - EP); **H01F 27/266** (2013.01 - EP); **H01F 27/325** (2013.01 - EP); **H01F 38/12** (2013.01 - EP);  
**H01F 2005/025** (2013.01 - EP); **H01F 2038/122** (2013.01 - EP); **H01F 2038/125** (2013.01 - EP)

Citation (applicant)

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US6747540B1; US7471002B2; US6213109B1; US6237578B1; US6930583B2; US6995644B2; US7068135B1

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